

SEGMENT

The Team



Andre



Michal

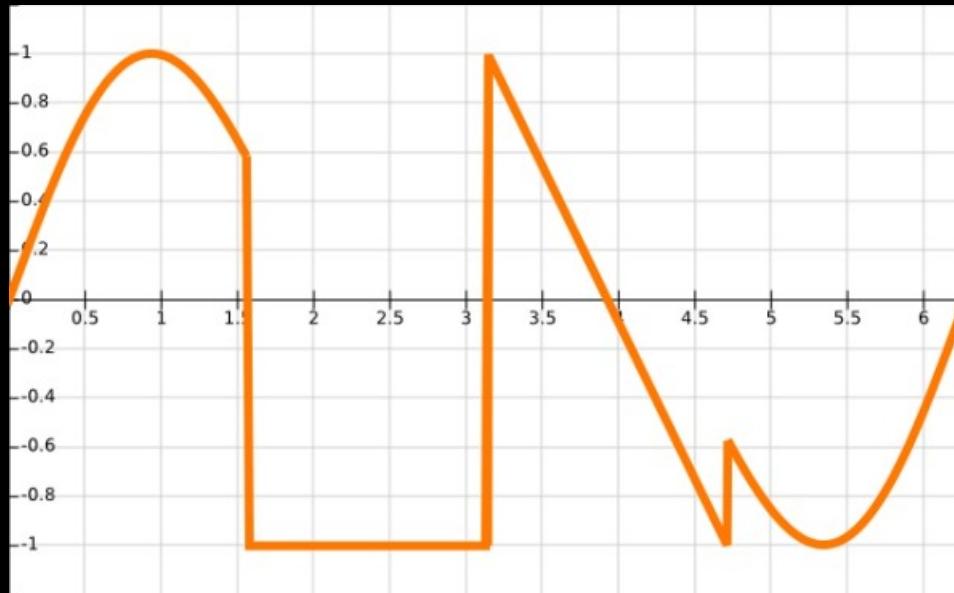
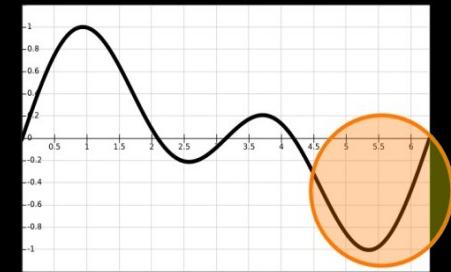
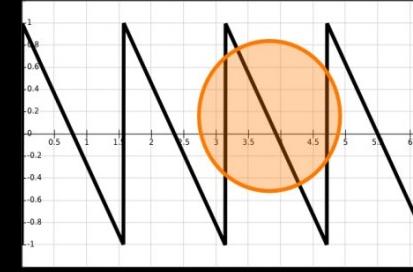
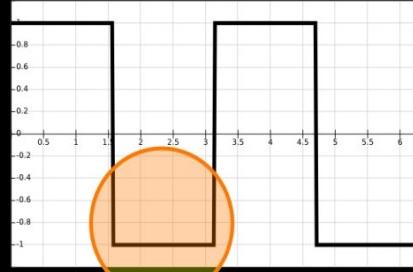
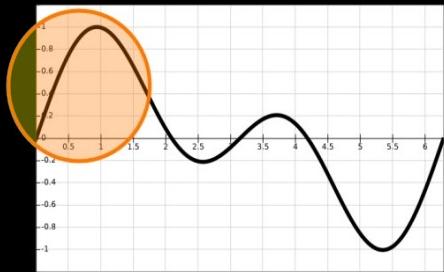


Amir

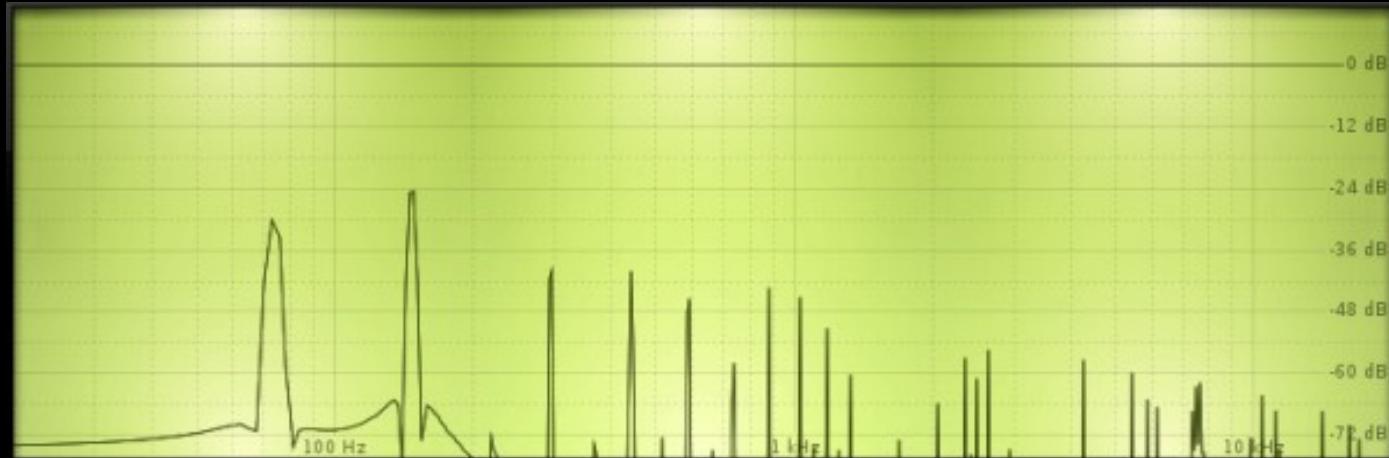


Martin

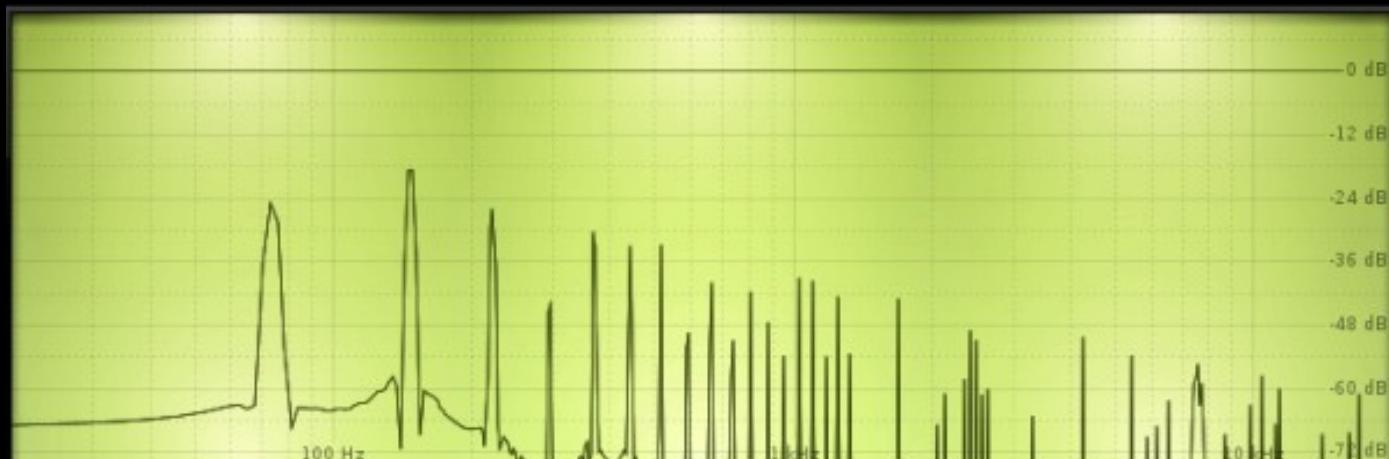
Segment Synthesis



Segment Synthesis

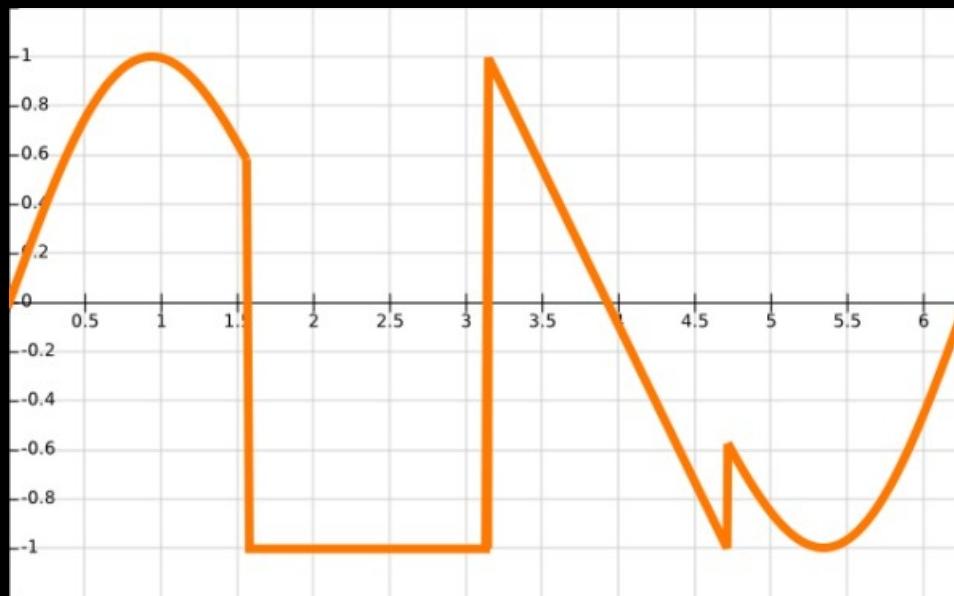


Additive

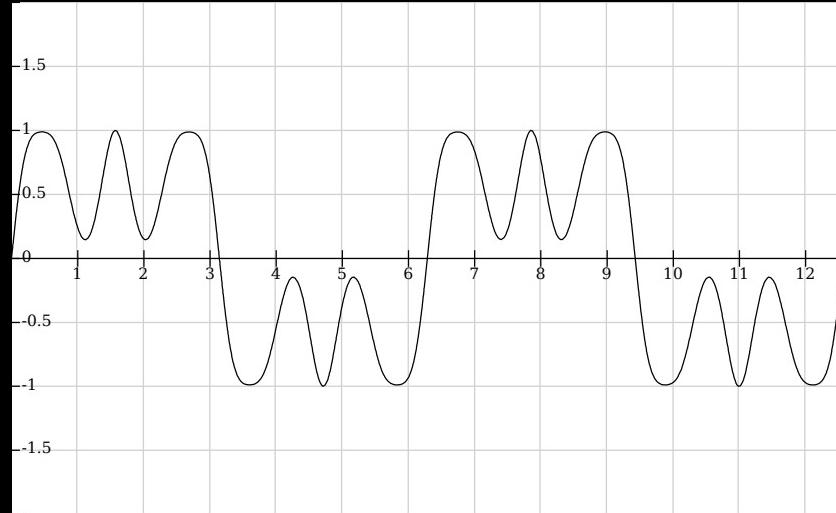


Segment

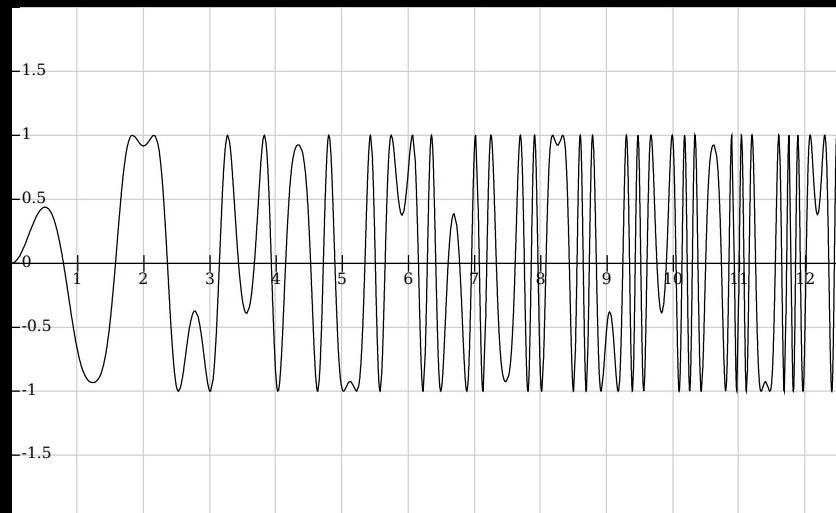
Segment Synthesis



Frequency Modulation

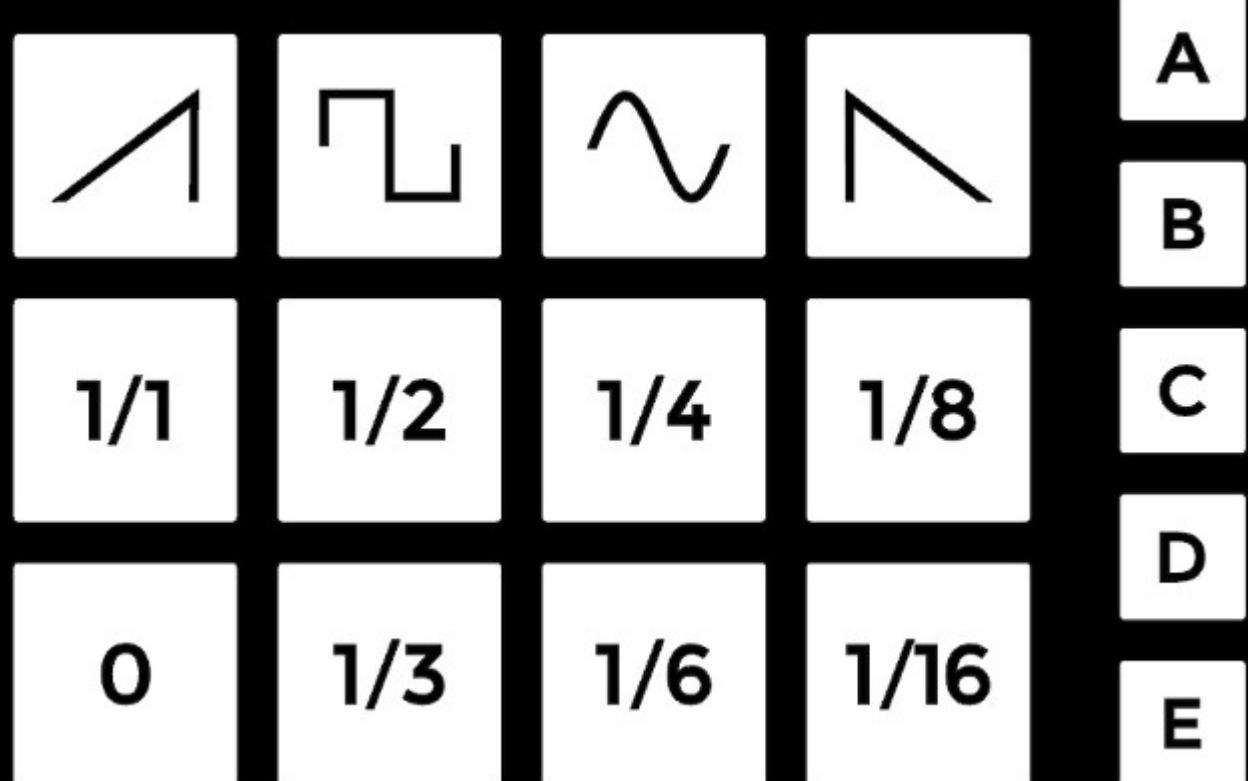


$$\sin(x + \sin(4x))$$

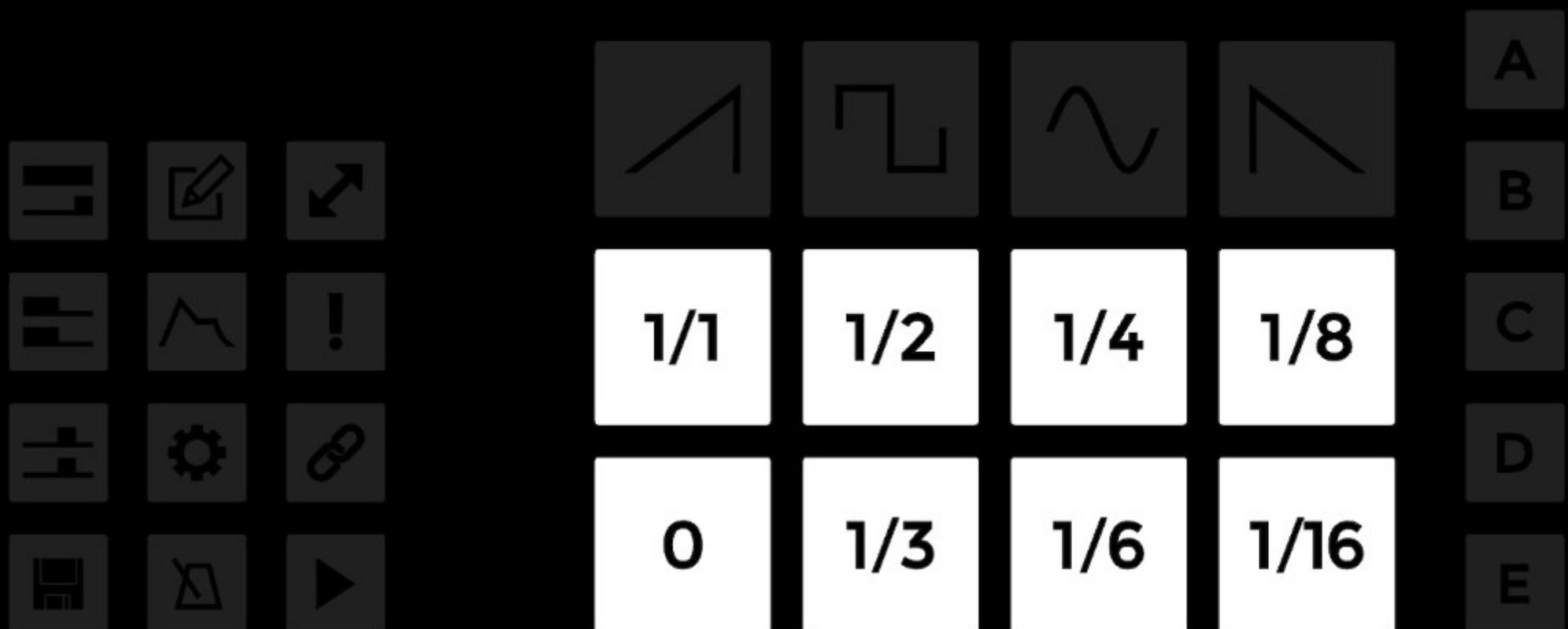


$$\sin(x * \sin(4x))$$

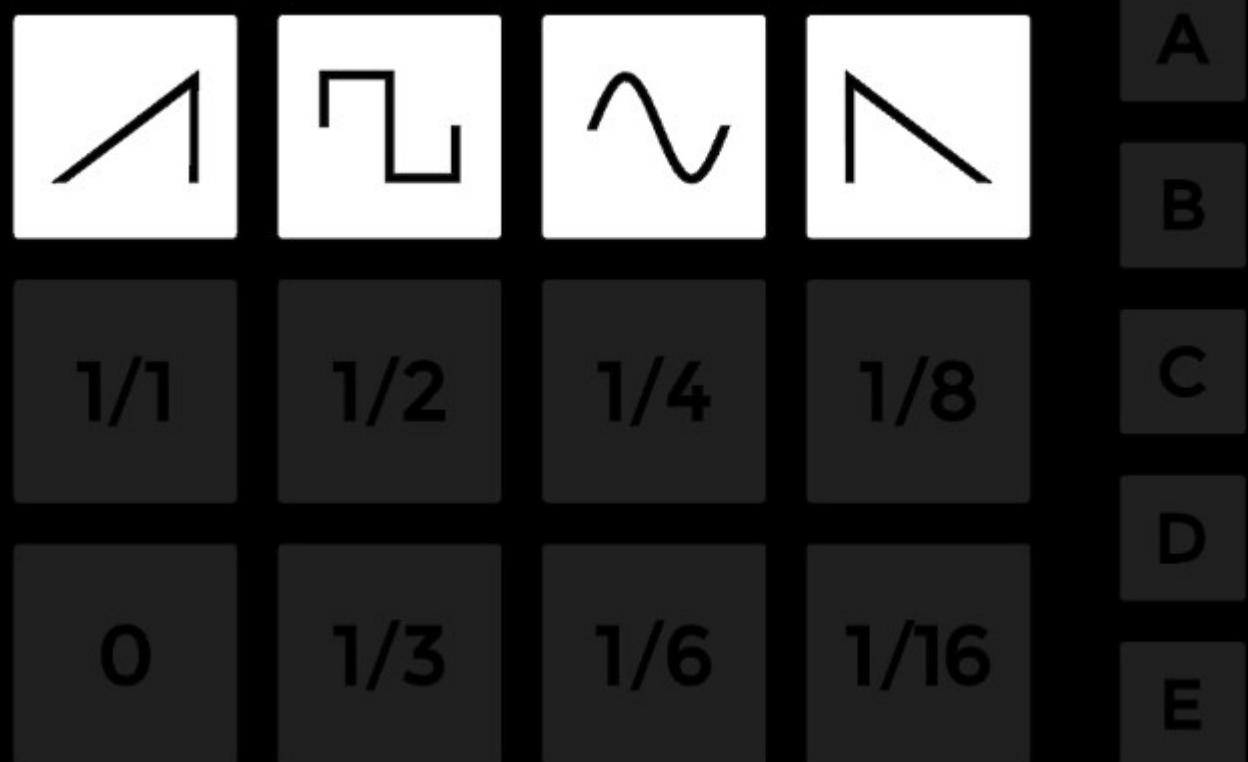
Controls



LFO Speed



LFO Waveform



Sounds



Encoders and Displays



Segments



Others

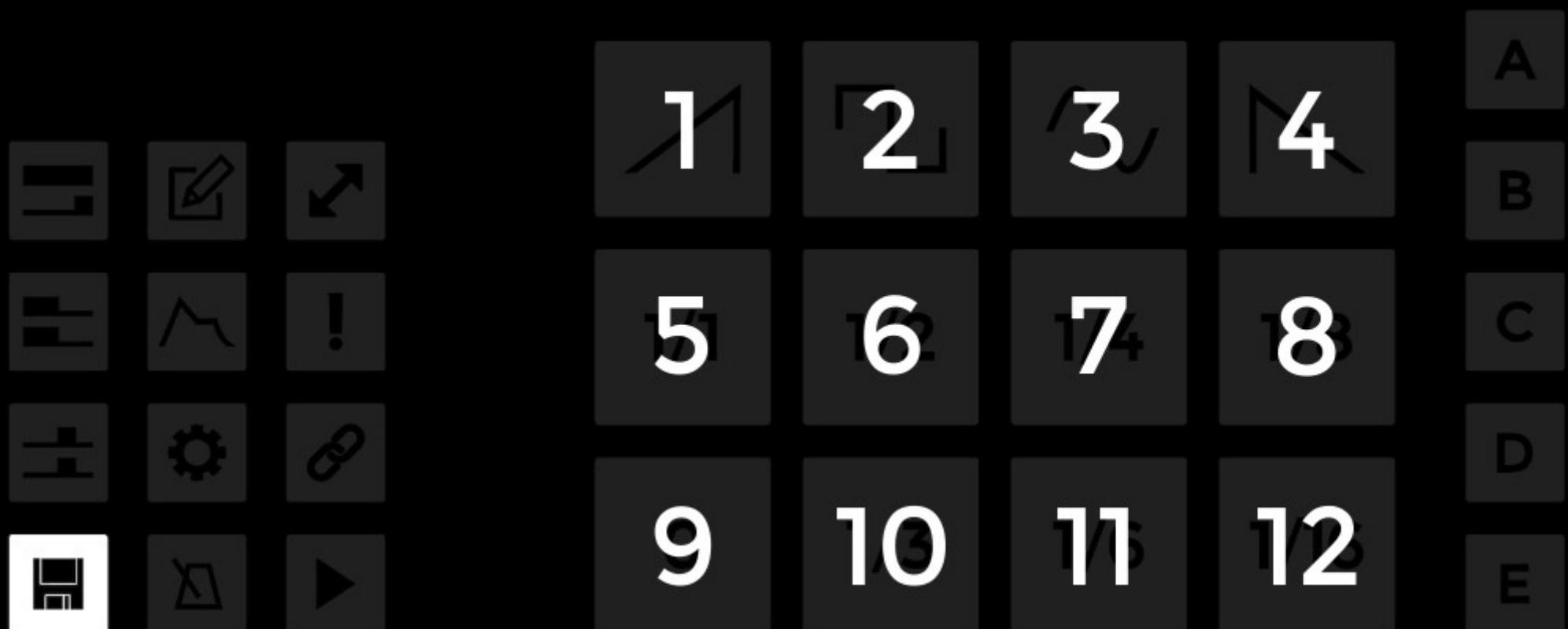


				A
1/1	1/2	1/4	1/8	B
0	1/3	1/6	1/16	C
D				E

Presets

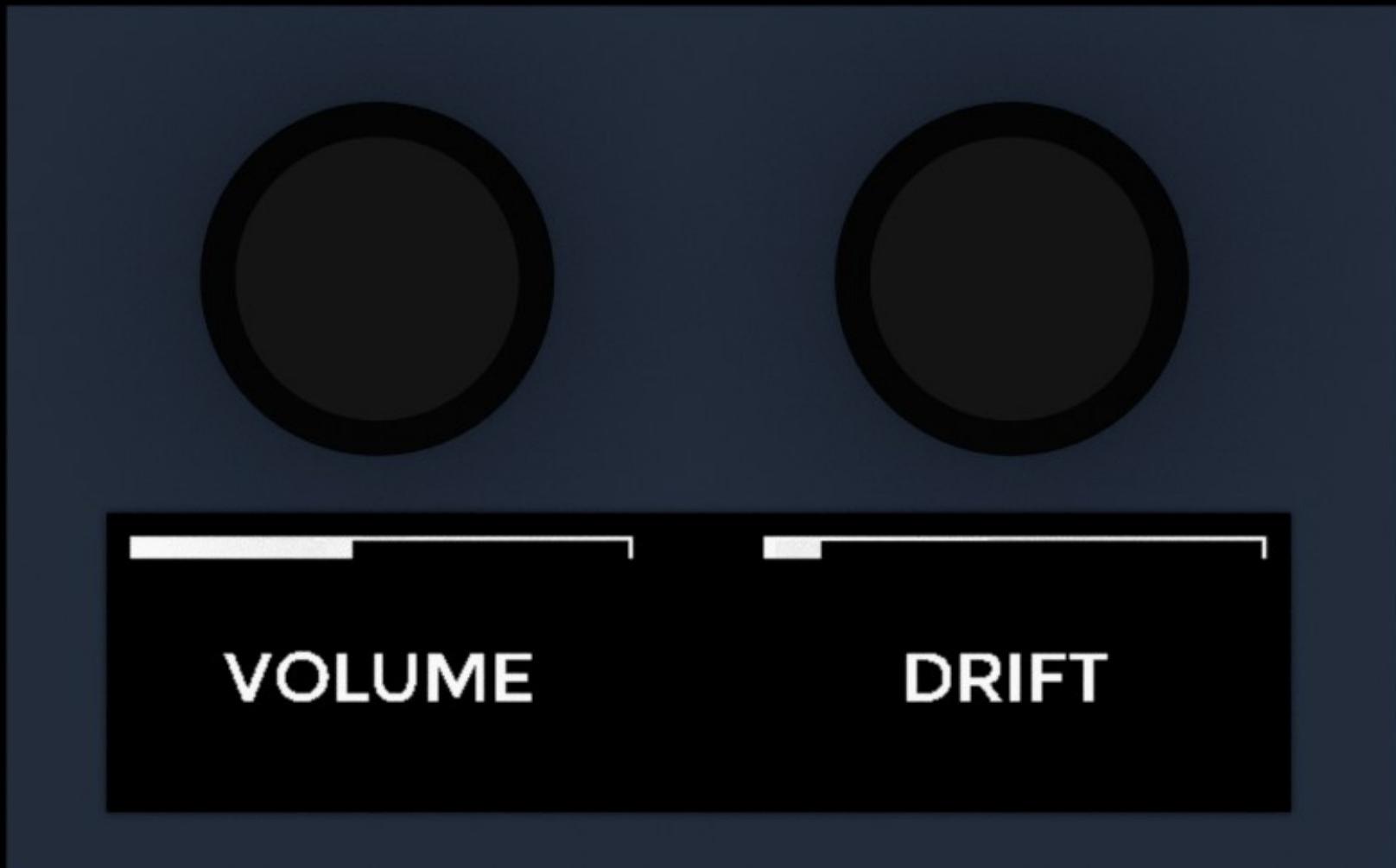


Presets



Drift

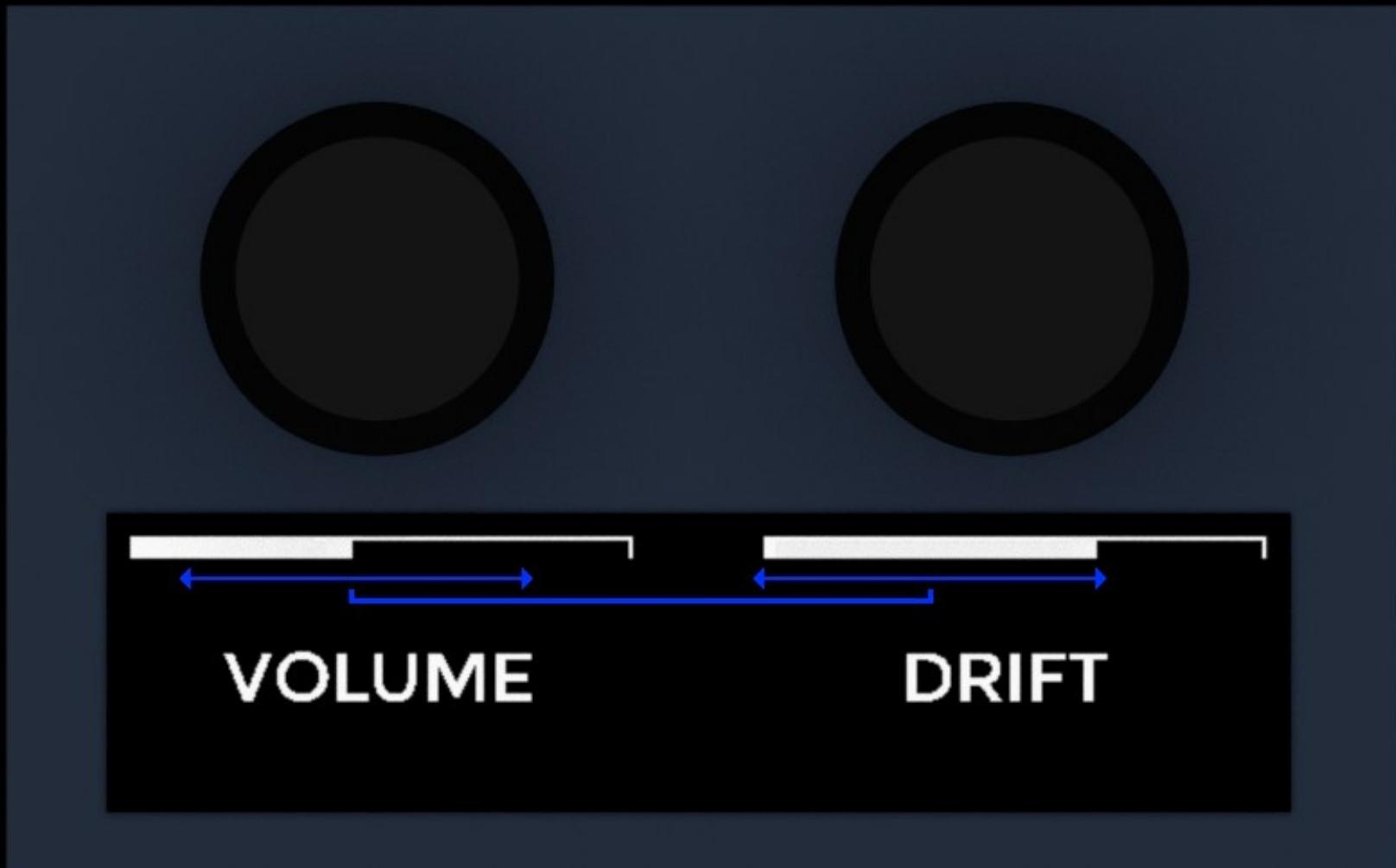
Drift



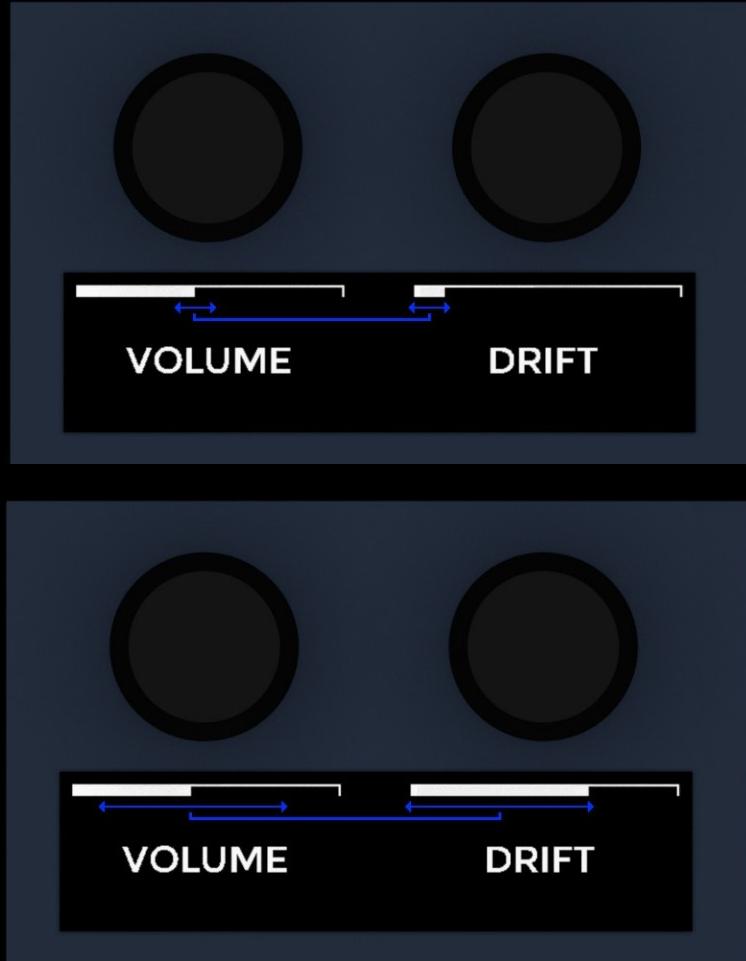
Drift



Drift



Drift Parameter



- Amount
- Polling Speed
- Drift Speed

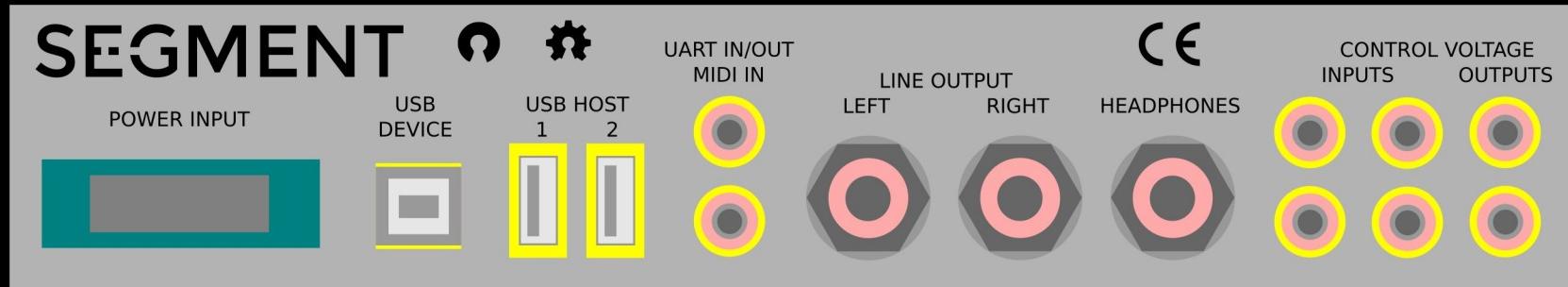
Hardware

- ARM Cortex M4 for audio
- ARM Cortex M4 encoders and displays
- ARM Cortex M0 for buttons and RGB LEDs
- 24bit 48kHz DAC

Software

- Bare-metal
- libopencm3 (LGPL v3)
- 32bit float processing
- 10bit internal controls resolution
- OSC
- Zero buffer

Connectivity



- USB Device
- 2x USB Host
- 2x Balanced Line Output, Headphones Output
- 4x Control Voltage Input
- 2x Control Voltage Output
- UART I/O on Minijack
- MIDI Input on Minijack

Segment Cloud

Segment Cloud

+ new preset + new sound DJ-Sona Logout

Darkness

author: [Willy_Dee_Jay](#)
Deep into the darkness, deeper than anyone b4!



Share details get it

Comment 5x Sounds good 3x

LUV IT!!

This sound is just weird...

Definitely adding it to my collection!

Ja taky komentuju

♪♪♪♪♪ nannaaaa

Ripper

author: [DJ-Sona](#)
This will rip your brain out



Share details get it

Comment 1x Sounds good 3x

Bestest! keep rolling!

Sound really great! :)

Beatz of love

author: [Willy_Dee_Jay](#)
Feel the beatz



Share details get it

Comment 0x Sounds good 3x

As in speech

- Open Source (GPLv3)
- Open Hardware (TAPR)
- All sources and hardware documentation will be released upon funding
- Indiegogo campaign starts May 2015

SEGMENT

- www.twitter.com/SegmentSynth
- www.facebook.com/segmentsynthesizer
- www.segmentsynth.com